

*File under
PAR-207
KPM*

29 January 1964

MEMORANDUM FOR THE RECORD

1. SUBJECT: PAR-207, Contract [] "Definitive Study of Contact Printer".
2. REFERENCES:
 - a. [] Quarterly Report, [] Second Quarter, FY-64.
 - b. [] Final Report of 31 Oct. on the Low Distortion High Resolution Printer (LDHR)
 - c. Conference at P&DS, 23 January 1964
3. ACTION REQUIRED: The intent of the subject task was to accomplish a comprehensive evaluation of all accepted standard and conceptually new methods of producing 1:1 contact printer for the purpose of determining which method or methods were capable of producing prints of the most acceptable modulation transfer function and with the least image distortion on any given material.

The effort described in Reference (b) was restricted to a single printing concept and therefore fell far short of the originally proposed scope.

The subject task should be reactivated to facilitate full accomplishment of the proper task objective. Under this task all printing concepts should be tried but with the simplest test mechanism necessary to properly demonstrate system capability.

In all cases prints should be produced from the same appropriate high quality continuous tone original, *using* sine wave targets and bar targets.

The results should be presented graphically and a comparison made with results from standard printers presently employed in the community. The production of the comparison prints should preferably be attended by the technical contract monitor.

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Declass Review by NGA.

4. ACTION TAKEN: has been appropriately advised.
of paragraph (3).

5. COORDINATION: None Required

6. COPIES FURNISHED:

Development Branch, P&DS

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